**Story a Star Project**

**Project Objective**

*You will choose a real star and you will need to creatively tell this star’s saga: its story from birth to death.*

**The Story:**

*Every star goes through several stages throughout its lifetime. For each stage, you will need to describe:*

* Name of the stage
* How long the stage lasts (in general terms)
* Relative Size (compared to our sun)
* Elemental composition/balance (Hydrogen, Helium, Etc.) at that stage
* Relationship between fusion pressure and gravity at that stage
* Heat, Mass, and Brightness of star during that stage
* How/why that stage transitions into the next stage
* 2-3 additional facts

**How do I tell the story?**

*Well, that is up to you (sort of). You have 5 options to choose from:*

Option 1 – Shoot a video (or series of short videos) that demonstrate/explain the life of your star.

(i.e. <https://www.youtube.com/watch?v=aIEML8lLuKE>)

Option 2 – Movie script (think personification, or extended metaphor)

Option 3 – Original poem/Short Story

(i.e. https://www.fictionpress.com/s/3062527/1/The-Lifecycle-Of-A-Star)

Option 4 – Children’s book (complete with illustrations, consider a “choose you own adventure” style)

(i.e. <https://www.youtube.com/watch?v=oiYPKTi4MIw>)

Option 5: Original comic strip or animation

(i.e. <http://www.slideshare.net/BigHistory/star-co>)

\*If you have another creative idea you may pitch it to me for consideration

**What are the parts of this assignment?**

Planning/Proposal:

* Conduct research on a star including size to determine what stages it will go through.
* Decide how you will tell the star’s story.
* Submit a formal proposal for your project. Must include:
  + You and your partner’s name
  + The specific star you chose
  + Each stages it has/will go through
  + An overview of how you will present it. Must be written out (in paragraph form) and be detailed. It should allow me to “see” your vision.

Rough Draft:

* Should be a complete version of your project.
* Must meet all requirements set out on this sheet
* We will conference to determine strengths and ways to improve/edit

Final Draft:

* Must be on time, meet requirements, be neat and professional.
* Needs to reflect changes/edits from your rough draft discussed in our conference.

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| **Due Date** | **Pacing: Deadlines for completion** |  |
| Friday 6/9 | Choose a star, research information on star to decide stages you will need to cover. Explore options of how you’ll to tell the story. |  |
| Monday 6/12 | Continue research and begin working on proposal for your project |  |
| Wednesday 6/14 | ***Proposal of your project is due.*** |  |
| Thursday 6/15 | Work on your story (writing, drawing, filming, etc.) |  |
| Friday 6/16 | Work on your story. |  |
| Monday 6/19 | ***Rough draft of project is due.*** |  |
| Wednesday 6/21 | Conferences – Edit/Review your story |  |
| Thursday 6/22 | Working on final edits of story |  |
| Friday 6/23 | ***Final Draft is due.*** |  |

**The websites below will provide you with information on your stars:**

<http://www.astro.wisc.edu/~dolan/constellations/extra/nearest.html>

<http://www.skyandtelescope.com/>

http://www.pa.msu.edu/courses/1997spring/ISP205/sec-3/brightstars.html

<https://www.fourmilab.ch/yoursky/cities.html>

<http://www.bbc.co.uk/programmes/articles/2pZFdnsPGl1DDwH6pZbJKkh/star-guides-calendars>

<http://www.space.com/skywatching/>

http://www.space.com/21640-star-luminosity-and-magnitude.html